WHAT IS CLAIMED IS:

1.   The present invention provides a method of dynamically publishing diverse data in a manufacturing environment, comprising the steps of:

gathering raw data from diverse sources;

translating said raw data into a user specified format;

loading said translated raw data into an application server;

summarizing and indexing said translated raw data;

receiving a user specified request for data;

relating said requested data to said translated raw data via said summarized and indexed translated raw data;

retrieving said translated raw data relating to said requested data; and

providing said translated raw data relating to said requested data to said user via a user interface.

2.   The method of Claim 1, further comprising the steps of:

analyzing said translated raw data relating to said requested data; and

visualizing said translated raw data relating to said requested data.

3.   The method of Claim 1, wherein said user interface is a web-browser coupled to said application server via a network connection.

4.   The method of Claim 3, wherein said network connection is an Internet connection.

5.   The method of Claim 1, wherein said application server is coupled to said diverse data sources via a network connection.

6.   The method of Claim 5, wherein said network connection is an Internet connection.

7.   The method of Claim 1, further comprising the step of storing said translated raw data in a data management system.

8.   The method of Claim 7, wherein said data management system comprises databases or flat file storage systems.

9.   A system for dynamically publishing diverse data in a manufacturing environment, comprising:

diverse data sources from which raw data is gathered;

translator that translate said raw data into a user specified format;

loaders coupled to said translators to load said translated raw data into an application server;

a summarization engine that indexes said translated raw data and maintains said index within a relational database;

a user interface from which a user inputs a request for data; and

software instructions executed by the application server to retrieve and display said translated raw data relating to said requested data.

10.   The system for dynamically publishing diverse data in a manufacturing environment of Claim 9, further comprising:

analysis tools coupled to said application server operable to perform analysis of said translated raw data relating to said requested data as specified by said user; and

visualization tools coupled to said application server operable to visualize said translated raw data relating to said requested data via said user interface.

11.   The system for dynamically publishing diverse data in a manufacturing environment of Claim 9, wherein said user interface is a web-browser coupled to said application server via a network connection.

12.   The system for dynamically publishing diverse data in a manufacturing environment of Claim 11, wherein said network connection is an Internet connection.

13.   The system for dynamically publishing diverse data in a manufacturing environment of Claim 9, wherein said application server is coupled to said diverse data sources via a network connection.

14.   The system for dynamically publishing diverse data in a manufacturing environment of Claim 13, wherein said network connection is an Internet connection.

5   15.   The system for dynamically publishing diverse data in a manufacturing environment of Claim 9, further comprising a data management system in which to store said translated raw data in a data management system.

16.   The system for dynamically publishing diverse data in a
10   manufacturing environment of Claim 15, wherein said data management system comprises databases or flat file storage systems.